Automotive Technical DATA BOOK

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MENU HELP

Engine and cooling system — 911 Carrera 2 & 4 — 1994 to 1997

Type		M64/05 200kW
Capacity (cm³) / number of cylinders		3600 / 6
Compression ratio / pressure	bar	11.3 /_
Oil pressure	bar	[6.5 @ 5 000 rpm]
Oil temperature	ºC	90
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-6-2-4-3-5
No 1 cylinder position		PEL
Thermostat opening temperature	ºC	_
Radiator cap pressure	bar	_

Fuel system — 911 Carrera 2 & 4 — 1994 to 1997

Idle speed - manual [auto]	rpm	800±40
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.4 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Bosch
Type / ref		DME MPi
Main jet / needle		_
Injection pressure	bar	3.8
Pump pressure	bar	_
Octane rating	RON	98[U]

Ignition system — 911 Carrera 2 & 4 — 1994 to 1997

Type		DME Motronic
Ignition coil		_
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		Bosch/Beru
Type		FR6LDC / 14FR-5DTU
Electrode gap	mm	0.70

Electrical system — 911 Carrera 2 & 4 — 1994 to 1997

Battery	V / CC / RC	12/75
Alternator voltage / full load current / engine rpm		155A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear — 911 Carrera 2 & 4 — 1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
Tyres		
Saloon	Size	205/55x16: 225/50x16[1]
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 3.0. x17: 2.5 / 2.5
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+5'±5'
Camber		-20'±15'
Castor		5°20'±15'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+10'±5'
Camber		-1°10'±15'

Torque wrench settings — 911 Carrera 2 & 4 — 1994 to 1997

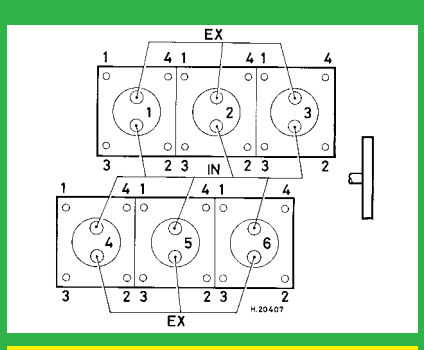
Cylinder head - stage 1	Nm	15
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	15 +90° +90°
Main bearings	Nm	Crankcase: 35
Clutch cover	Nm	20 to 25
Flywheel [driveplate]	Nm	90
Front hubs	Nm	WSM
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	130
Spark plugs	Nm	30

Capacities — 911 Carrera 2 & 4 — 1994 to 1997

Engine oil & filter	litres	11.5
Gearbox - 4-speed [5-speed]	litres	3.6. 4x4: 3.8
Automatic transmission - refill	litres	9.0
Final drive	litres	AT: 0.9. 4x4 Front: 1.2
Cooling system	litres	_
Fuel tank	litres	77

Notes and Illustrations

[1]**205/50x17: 255/45x17**



3600 cm³